What is claimed is:

THE WITH

- 1 1. A fuel additive composition comprising a lithium aromatic sulfonate and 2 an organic peroxide.
- 1 2. The fuel additive composition of claim 1, wherein the composition is provided in a solvent-based system.
- 1 3. The fuel additive of claim 1, wherein there are two organic peroxides.
 - 4. The fuel additive of claim 3, wherein one peroxide is *tert*-butyl perbenzoate.
 - 5. The fuel additive of claim 3, wherein one peroxide is 2-butanone peroxide.
 - 6. The fuel additive of claim 1, wherein the lithium aromatic sulfonate is a C_{7-35} alkylbenzenesulfonate.
- 7. The fuel additive of claim 1, wherein the lithium aromatic sulfonate is didodecylbenzene sulfonate.
 - 8. The fuel additive of claim 2, wherein the solvent is diphenyl.

- 10. The fuel composition of claim 9, wherein the fuel is gasoline.
- 11. The fuel composition of claim 9, wherein the fuel is diesel.

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- 12. A method for operating a gasoline-powered, artificial ignition, internal combustion engine, comprising providing to said engine a fuel comprising gasoline and a fuel additive comprising a mixture of a lithium aromatic sulfonate and organic peroxide.
- 13. The method of claim 12, wherein the fuel additivie is provided in a solvent-based system miscible with said gasoline fuel.
- 14. The method of claim 12, wherein the fuel comprises from 1 to 100 parts by weight of additive to 10,000 parts by weight of fuel.